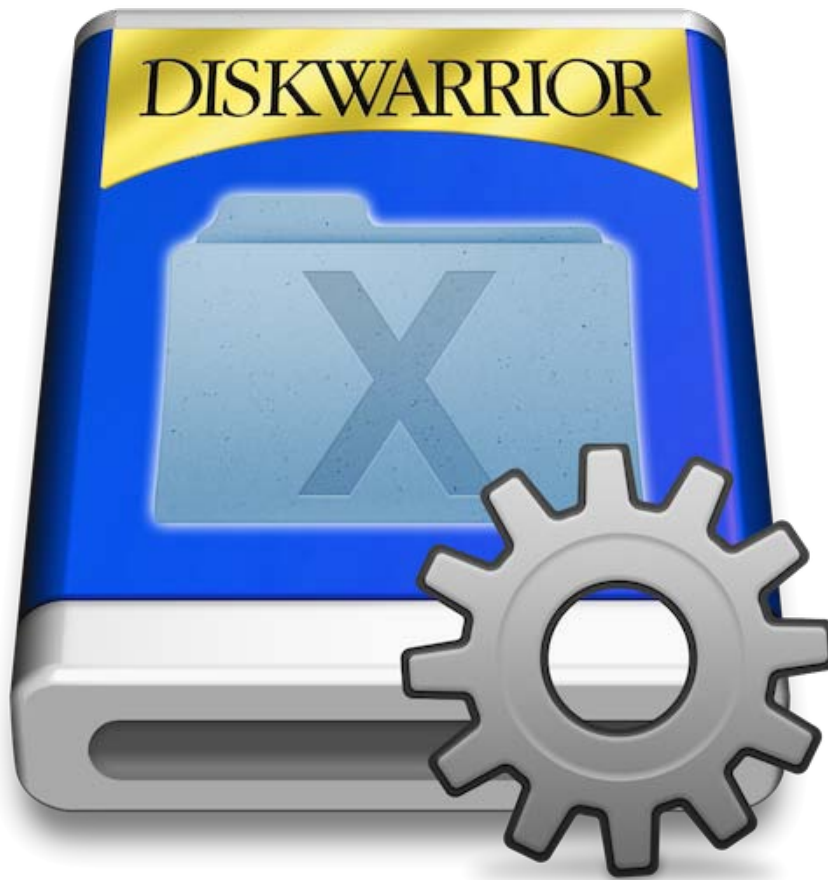


DiskWarrior

Recovery Maker



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Utilizing DiskWarrior Recovery Maker

About DiskWarrior Recovery Maker

Historically, when a computer has crashed, or was slowing down in its day-to-day functioning, the most efficient way to run DiskWarrior to rebuild the directory and repair the problem, has been to start up the computer from a DiskWarrior Disc. However, as computers change and optical media has been phased out, a new method of utilizing DiskWarrior has become necessary. For this purpose, Alsoft presents DiskWarrior Recovery Maker.

DiskWarrior Recovery Maker provides a simple interface to perform the task of making a DiskWarrior Recovery disk from which you can start up your computer, and access the features of DiskWarrior.

This utility application will create a DiskWarrior Recovery Disk by copying the contents of an OS X Recovery disk and a serialized DiskWarrior application to a suitable flash drive. Once completed, you will be able to start up the computer from the DiskWarrior Recovery disk and run DiskWarrior. It is recommended that you do this for both maintenance and emergencies.

This manual will explain the process of creating a disk that can be used both as a tool to run regular maintenance as well as for the times when there is a need for an emergency method to start up a computer.

Definitions

The following terms will be used throughout this manual.

1) Flash Drive

Connected to the computer through a USB port, these are also sometimes referred to as a “thumb drive” (because they are the size of a thumb). These devices can be used in conjunction with DiskWarrior Recovery Maker, to create a disk that is capable of starting up your computer, so as to run repairs via DiskWarrior.

2) Serialized DiskWarrior

A copy of the DiskWarrior software that has been installed and run. When the application is launched and the registration information (Name and Serial Number) has been entered, the application becomes serialized.

3) OS X Recovery Disk

An OS X Recovery Disk is created on a hard drive when Mac OS X 10.7.x (Lion) or newer, is installed onto a computer. In the Finder, you may see this named as “Recovery HD”. DiskWarrior Recovery Maker utilizes the OS X Recovery Disk by copying it to the USB Flash Drive, to create a USB device that can start up the computer for the tasks of maintenance or data recovery.

System Requirements

To run DiskWarrior Recovery Maker a computer must be running Mac OS X 10.7.x (Lion) or later. To create a DiskWarrior Recovery disk, the computer must have access to a functional OS X Recovery disk, a serialized copy of DiskWarrior 5 or later and a 2GB (or larger) flash drive.

Installing DiskWarrior Recovery Maker

To install the software, simply drag the DiskWarrior Recovery Maker icon into the Applications folder of the computer's main hard drive.

Launching DiskWarrior Recovery Maker

To launch the software, double-click on the installed icon. This will present the DiskWarrior Recovery Maker main window.



The DiskWarrior Recovery Maker Main Window

To create a DiskWarrior Recovery disk that can be used to start the computer, DiskWarrior Recovery Maker requires three items:

1) Destination Flash Drive

First, select a destination flash drive on which to install the OS X Recovery disk. You will need a flash drive at least 2GB in capacity.

Note: This process will erase the flash drive. Make certain you have made a safe copy of any files that may have been stored on this disk.

If there are multiple devices connected to the computer, which meet the parameters of the software, these will all be listed in the Destination Flash Drive popup menu.

2) Source OS X Recovery Disk

This popup lists the OS X Recovery disks available. Most computers will have only one. Select the one that will be copied to the flash drive.

Note: The version of the operating system listed here, may not match the version of the operating system that is on the computer, as the operating system on the OS X Recovery disk is different than the full installation on the computer.

Note: While rare, it is possible that you will have more than one option in this popup menu. Generally, you'll want to select the newest version of the operating system available to DiskWarrior Recovery Maker.

3) Serialized DiskWarrior Application

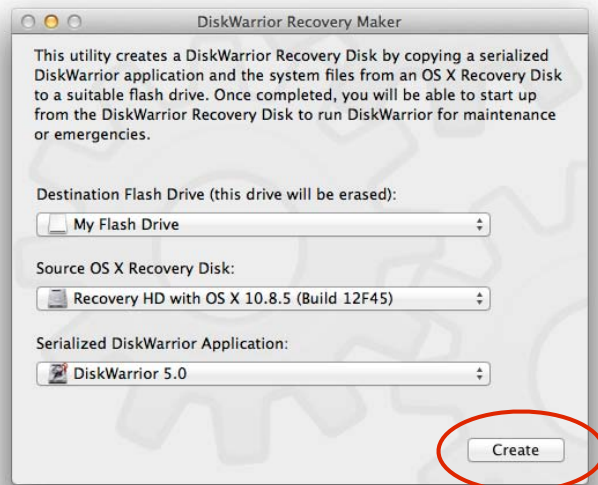
This popup will show a serialized DiskWarrior application properly located in the Applications folder of the startup disk. If there is no DiskWarrior application in the Applications folder, this popup menu will open a navigation window so that you can select a previously serialized version of DiskWarrior 5.

Note: If you have not previously serialized the software, you can leave DiskWarrior Recovery Maker open in the Dock, and install DiskWarrior. Then, you can return to this process.

Creating the DiskWarrior Recovery Disk

Once all three options are filled, the Create or Update button will become active.

Once you have selected a destination flash drive, a source OS X Recovery disk from which the operating system will be copied, and a serialized DiskWarrior, click the Create button.



A dialog box will appear to confirm your choices and to remind you that the process cannot be stopped once begun. You will also need to authenticate with an Administrator password.



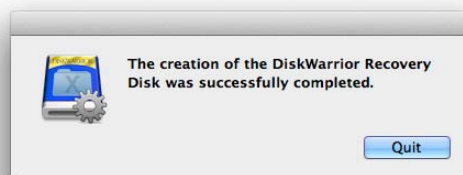
Note: Erasing a partition deletes all the data on that partition. All files on the flash drive will be deleted. When selecting a destination flash drive for a DiskWarrior Recovery disk, you should choose a device which has no information that you need.



During the creation process, a progress bar will update through the steps of creating the DiskWarrior Recovery disk - Preparing, Erasing, Copying System Files, Verifying System files, and Finishing.

Note: During the process, if you have set the Finder preferences to show external drives, you will see the flash drive mount and unmount as well as have its name changed multiple times. Under no circumstances should you modify the data on the mounted flash drive.

After the process completes, a dialog will inform you that the DiskWarrior Recovery disk is ready for use. Click Quit to exit the application. If you need to make a second DiskWarrior Recovery disk, simply relaunch the application.



Starting Up the Computer From the DiskWarrior Recovery Disk

When the process completes, you will see a dialog box that informs you of the successful creation of the DiskWarrior Recovery disk. If you wish to then start up the computer from the disk, turn on or restart you Mac and immediately press and hold down the Option (alt) key. After a few seconds, the Startup Manager should appear as shown below. If you see the Apple logo, it's possible that you didn't hold Option early enough. Restart and try again.



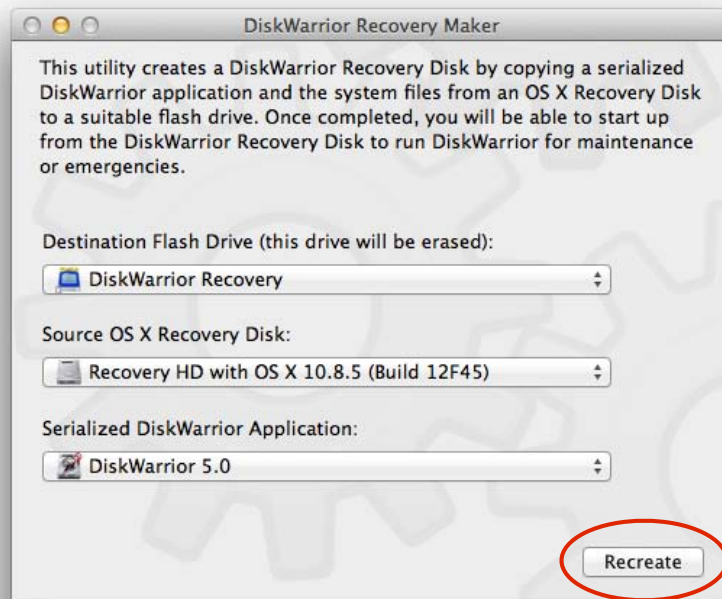
Launching DiskWarrior from the DiskWarrior Recovery Disk

When the computer is started from the DiskWarrior Recovery disk, you will not see a regular Finder or Desktop. Instead there is the OS X Utilities window, that allows for the launching of applications. In the top of this list, you will find DiskWarrior. Click on the DiskWarrior option to launch DiskWarrior and run the software.



Updating the DiskWarrior Recovery Disk

Once you've created a DiskWarrior Recovery disk, the option to Recreate the created disk, becomes available.



Note: Do not modify the name or any of the files on the created DiskWarrior Recovery disk. Modification may make the DiskWarrior Recovery disk unusable.

This feature allows for adding future versions of DiskWarrior as well as updating the version of the OS X Recovery disk that is on the DiskWarrior Recovery disk.

Note: This process does not update the serialized version of DiskWarrior. This process will only take an updated version of the DiskWarrior application and add it to the DiskWarrior Recovery disk. For more information on DiskWarrior updates, please visit our website at:

<http://www.alsoft.com/diskwarrior.html>

How to Utilize the DiskWarrior Flash Drive As Purchased

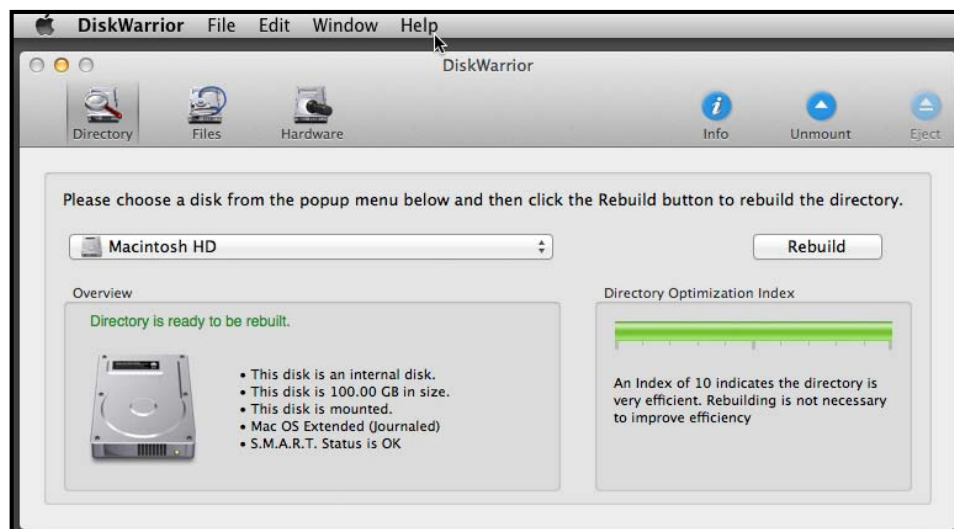
Insert the DiskWarrior flash drive directly into a USB port on your Mac. Do not use a USB port on a hub, monitor or keyboard. The DiskWarrior flash drive ships with the ability to start up any Intel Mac that originally came with OS X 10.4, 10.5 or 10.6 installed.

1) Turn on or restart you Mac and immediately press and hold down the Option (alt) key. After a few seconds, the Startup Manager should appear as shown below. If you see the Apple logo, it's possible that you didn't hold Option early enough. Restart and try again.



2) Use the left and right arrow keys on the keyboard to select the DiskWarrior Recovery disk and then press the Return key.

3) Once DiskWarrior opens you must agree to the software license and then you will see the window below. Open the DiskWarrior manual from the Help menu for further instructions on repairing and recovering.



Support and Troubleshooting

If you have any questions when running DiskWarrior Recovery Maker, please contact our Technical Support at tech.support@alsoft.com

***Problem: What if I purchase a new computer?**

Likely, the operating system on your current DiskWarrior Recovery disk will not start up the newer computer. Simply connect the DiskWarrior Recovery disk to the computer, launch DiskWarrior Recovery Maker. Then, in DiskWarrior Recovery Maker select the OS X Recovery disk of the new computer, and the newly serialized DiskWarrior application. Click Recreate to create a DiskWarrior Recovery disk that will start up the new computer.

***Problem: What if I get a new/updated DiskWarrior?**

Simply connect the previously created DiskWarrior Recovery disk to the computer, launch DiskWarrior Recovery Maker. Then, in DiskWarrior Recovery Maker select the newly serialized DiskWarrior application. Click Recreate to create a DiskWarrior Recovery disk with the updated DiskWarrior application.

***Problem: The DiskWarrior Recovery Disk I created won't start up my second/newer computer**

The more recently a computer has been released, the later the version of the operating system required to start up the computer.

If you create a DiskWarrior Recovery disk with an older OS X Recovery disk, and attempt to use it to start up a newer computer, you may need to first Recreate the DiskWarrior Recovery disk (see Page 11).

To see what minimum version of the operating system is required by your computer (and on the OS X Recovery disk used to create the DiskWarrior Recovery disk) please see the following link: <http://support.apple.com/kb/ht1159>